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Title: → **EP0953336A1: FINE ULTRAVIOLET SCREENING PARTICLES, PROCESS FOR PREPARING THE SAME, AND COSMETIC PREPARATION**

Country: EP European Patent Office (EPO)

Kind: A1 Publ. of Application with search report

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Application Number: **EP1997000922194**

IPC Class: **A61K 7/42; C09K 3/00;**

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Priority Number(s): May 30, 1996 JP1996000160541

INPADOC Legal Status:

Designated Countries:

Abstract:

The present invention provides a method for producing a material dispersed with ultraviolet shielding fine particles, characterized by subjecting a starting material liquid mixture comprising particles comprising one or more inorganic substances having shielding abilities against ultraviolet light, one or more silicone dispersants selected from modified silicones and reactive silicones, and a silicone oil to a mill treatment and/or a high-pressure dispersion treatment; and ultraviolet shielding fine particles or a material dispersed therewith, characterized by being produced by the above method. Also, the present invention provides a method of producing a powdery product of ultraviolet shielding fine particles, characterized by drying the material dispersed with ultraviolet shielding fine particles obtainable by the above method. Further, the present invention provides cosmetics comprising a material dispersed with ultraviolet shielding fine particles or a powdery



product of the ultraviolet shielding fine particles. The material dispersed with ultraviolet shielding fine particles of the present invention is characterized in that the ultraviolet shielding fine particles comprise particles comprising one or more inorganic substances having shielding abilities against ultraviolet light, surfaces thereof being coated with one or more silicone dispersants selected from modified silicones and reactive silicones, and that at least a part of the ultraviolet shielding fine particles is dispersed in a silicone oil as aggregated particles of the particles comprising inorganic substances.

Family: [Show known family members](#)  
Description: [Expand full description](#)

- + **TECHNICAL FIELD**
- + **BACKGROUND ART**
- + **DISCLOSURE OF THE INVENTION**
- + **BRIEF DESCRIPTION OF THE DRAWINGS**
- + **BEST MODE FOR CARRYING OUT THE INVENTION**
- + **1. Starting Materials Used for Production of Ultraviolet Shielding Fine Particles**
  - + **(1) Particles Comprising Inorganic Substances Having Shielding Abilities Against Ultraviolet Light Constituting Ultraviolet Shielding Fine Particles**
  - + **(2) Silicone Dispersant for Coating Surfaces of Particles**
  - + **(3) Dispersion Media**
- + **2. Method for Producing Ultraviolet Shielding Fine Particles**
- + **3. Material Dispersed with Ultraviolet Shielding Fine Particles and Powdery Products of Ultraviolet Shielding Fine Particles**
- + **4. Cosmetics**
- + **Example 1**
- + **Example 2**
- + **Example 3**
- + **Example 4**
- + **Example 5**
- + **Example 6**
- + **Example 7**
- + **Example 8**
- + **Example 9**
- + **Example 10**
- + **Example 11**
- + **Example 12**
- + **Example 13**
- + **Example 14**
- + **Comparative Example 1**
- + **Comparative Example 2**
- + **Comparative Example 3**
- + **Example 15 (Lotion)**
- + **Example 16 (Emulsion)**
- + **Example 17 (Emulsion)**
- + **Example 18 (Cream)**
- + **Example 19 (Powdery Foundation)**
- + **Example 20 (Two-Way Foundation)**
- + **Example 21 (Powdery Eye Shadow)**
- + **Example 22 (Emulsion Type's F undation)**
- + **Example 23 (Lipstick)**
- + **Example 24 (Cream)**
- + **Example 25 (Emulsion)**

**+ Example 26 (Cream)**  
**+ INDUSTRIAL APPLICABILITY**

First Claim:

[Show all claims](#)

1. A method for producing a material dispersed with ultraviolet shielding fine particles, characterized by subjecting a starting material liquid mixture comprising particles comprising one or more inorganic substances having shielding abilities against ultraviolet light, one or more silicone dispersants selected from modified silicones and reactive silicones, and a silicone oil to a mill treatment and/or a high-pressure dispersion treatment.

Other Abstract Info:

CHEMABS 128(04)039405X DERABS C1998-032300

Foreign References:

No patents reference this one

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